Rev. 11/00

SUBSTITUTE DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

PATENT

Docket No.: 40716/PBH/B600

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled GIGABIT ETHERNET TRANSCEIVER WITH ANALOG FRONT END, the specification of which is attached hereto unless the following is checked:

<u>X</u> was filed on <u>November 13, 2000</u> as United States Application Number or PCT International Application Number <u>09/712,422</u> and was amended on <u>(if applicable)</u>.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Application Number Country

Filing Date (day/month/year) Priority Claimed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

Application Number	Filing Date
60/164,970	November 11, 1999
60/164,980	November 11, 1999
60/164,981	November 11, 1999
60/181,989	February 11, 2000

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112.

Application Number Filing Date

Patented/Pending/Abandoned

Docket No. 40716/PBH/B600

POWER OF ATTORNEY: I hereby appoint the following attorneys and agents of the law firm CHRISTIE, PARKER & HALE, LLP to prosecute this application and any international application under the Patent Cooperation Treaty based on it and to transact all business in the U.S. Patent and Trademark Office connected with either of them in accordance with instructions from the assignee of the entire interest in this application; or from the first or sole inventor named below in the event the application is not assigned; or from _ in the event the power granted herein is for an application filed on behalf of a foreign attorney or agent.

R. W. Johnston	(17,968)	Daniel R. Kimbell	(34,849)	Robert A. Green	(28,301)
D. Bruce Prout	(20,958)	Craig A. Gelfound	(41,032)	Derrick W. Reed	(40, 138)
Hayden A. Carney	(22,653)	Syed A. Hasan	(41,057)	John W. Peck	(44,284)
Richard J. Ward, Jr.	(24,187)	Kathleen M. Olster	(42,052)	Stephen D. Burbach	(40,285)
Russell R. Palmer, Jr.	(22,994)	Daniel M. Cavanagh	(41,661)	David B. Sandelands, J	r. (46,023)
LeRoy T. Rahn	(20,356)	Molly A. Holman	(40,022)	Heidi L. Eisenhut	(46,812)
Richard D. Seibel	(22,134)	Joel A. Kauth	(41,886)	Nicholas J. Pauley	(44,999)
Walter G. Maxwell	(25,355)	Patrick Y. Ikehara	(42,681)	Mark J. Marcelli	(36,593)
William P. Christie	(29,371)	Mark Garscia	(31,953)	Paul Heynssens	(47,648)
David A. Dillard	(30,831)	Gary J. Nelson	(44,257)		(P-47,822)
Thomas J. Daly	(32,213)	Raymond R. Tabandeh	(43,945)	David J. Steele	(47,317)
Vincent G. Gioia	(19,959)	Cynthia A. Bonner	(44,548)	Laurence H. Pretty	(25,312)
Edward R. Schwartz	(31,135)	Jun-Young E. Jeon	(43,693)	Robert A. Schroeder	(25,373)
John D. Carpenter	(34,133)	Marc A. Karish	(44,816)	Richard A. Wallen	(22,671)
David A. Plumley	(37,208)	John F. O'Rourke	(38,985)	Michael J. MacDermott	t (29,946)
Wesley W. Monroe	(39,778)	Richard J. Paciulan	(28, 248)	Anne Wang	(36,045)
Gregory S. Lampert	(35,581)	Josephine E. Chang	(46,083)	Brian D. Martin	(P-47,771)
Grant T. Langton	(39,739)	Frank L. Cire	(42,419)		
Constantine Marantidis	(39,759)	Harold E. Wurst	(22,183)		

The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

DIRECT TELEPHONE CALLS TO: Paul Heynssens, 626/795-9900

SEND CORRESPONDENCE TO: CHRISTIE, PARKER & HALE, LLP P.O. Box 7068 Pasadena, CA 91109-7068 Customer Number: 23363

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRS	T INVENTOR	· · · · · · · · · · · · · · · · · · ·	
Arya R. Behzad		A	
Inventor's Signature	A-K		7/10/0)
City Residence: Danville	State California	Country	Citizenship
Mailing Address: 16215 Alt	on Parkway Drive, Irvine,	CA 92618-7013	

Klaas Bult			
Inventor's Signature			Date
City Residence: LK Boschen Duin	State	Country The Netherlands	Citizenship

Ramon A. Gomez	•		
0:			Date
Inventor's Signature City	State	Country	Citizenship
Residence: Fountain Valley	California	55=1112	

Chi-Hung Lin		•	
nventor's Signature			Date
City	State	Country	Citizenship
Residence: Mission Viejo	California		

Docket No. 40716/PBH/B600

	VENTOR		
Arya R. Behzad			
T. A. D. Ciman-Asses			Date
Inventor's Signature City	State	Country	Citizenship
Residence: Danville	California		
Mailing Address: 16215 Alton P	awkuwan Driva Imrina CA (99618.7013	
Maning Address: 10213 Atton 1	arkway Drive, Irvine, OA C	2010-1010	
NAME OF SECOND INVENTO	OR .		
Klaas Bult		·	, Date
Inventor's Signature			07/12/01
City Residence: LK Boschen Duin	State	Country The Netherlands	Citizenship the Netherland
26 11 A 11 A 0015 A 14 T		20610-5010	
Mailing Address: 16215 Alton F Küsterijiai		Bunnik the ne	ther anos
9	· J · 🗀		• • • • • • • • • • • • • • • • • • • •
	<u> </u>		· · · · ·
NAME OF THIRD INVENTOR	}		
NAME OF THIRD INVENTOR Ramon A. Gomez	3		
Ramon A. Gomez	}		Date
Ramon A. Gomez Inventor's Signature		Country	
Ramon A. Gomez	State California	Country	Date Citizenship
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley	State California		
Ramon A. Gomez Inventor's Signature City	State California		
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley Mailing Address: 16215 Alton B	State California Parkway Drive, Irvine, CA		
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley	State California Parkway Drive, Irvine, CA		
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley Mailing Address: 16215 Alton B	State California Parkway Drive, Irvine, CA		
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley Mailing Address: 16215 Alton I NAME OF FOURTH INVENT Chi-Hung Lin	State California Parkway Drive, Irvine, CA		
Ramon A. Gomez Inventor's Signature City Residence: Fountain Valley Mailing Address: 16215 Alton I	State California Parkway Drive, Irvine, CA		Citizenship

Mailing Address: 16215 Alton Parkway Drive, Irvine. CA 92618-7013

Arya R. Behzad	·		
Inventor's Signature			Date
City Residence: Danville	State California	Country	Citizenship

Klaas Bult			
Inventor's Signature	-		Date
City Residence: LK Boschen Duin	State	Country The Netherlands	Citizenship

Ramon A. Gomez		
Inventor's Signature	(h->	7/13/01
City / C Residence: Fountain Valley	State Count	ry Citizenship

Chi-Hung Lin			
Inventor's Signature			Date
City Residence: Mission Viejo	State California	Country	Citizenship

Docket No. 40716/PBH/B600

NAME OF SOLE OR FIRST IN	VENTOR		
Arya R. Behzad			
Y			Date
Inventor's Signature	·		
City	State	Country	Citizenship
Residence: Danville	California		
Mailing Address: 16215 Alton F			
NAME OF SECOND INVENTO	OR		
Klaas Bult		·	
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: LK Boschen Duin		The Netherlands	Citizenship

NAME OF THIRD INVENTOR			
Ramon A. Gomez			
			Date
Inventor's Signature			
City	State	Country	Citizenship
Residence: Fountain Valley	California		
-			
Mailing Address: 16215 Alton P	arkway Drive, Irvine, (CA 92618-7013	

Mailing Address: 16215 Alton Parkway Drive, Irvine, CA 92618-7013

NAME OF FOURTH INVENT	OR		
Chi-Hung Lin			
Inventor's Signature	5 1		Date July 9, Zoci
City Houten) State	Country	Citizenship
Residence: - Mission Viejo	-California-	Netherlands	Taiwan, R.O.C.
Mailing Address: 16215 Alton I	Parkway Drive Irvine		

Kosterijland 14, 3981 AJ Bunnik, Netherlands

NAME OF FIFTH INVENTOR	· · · · · · · · · · · · · · · · · · ·		
Tom W. Kwan			
Inventor's Signature	Low Mun		Date 7/18/01
City The Residence: Milpites Cupertin	State California	Country	Citizenship Canada
Mailing Address: 1 6215 Alton 1	Zanker Ed	SANJOSE (A 9. CA.93618 7013	5134
NAME OF SIXTH INVENTOR			
Oscar E. Agazzi		·	Date
Inventor's Signature			
City Residence: Irvine	State California	Country	Citizenship
Mailing Address: 16215 Alton	Parkway Drive, Irvine	. CA 92618-7013	
NAME OF SEVENTH INVEN	TOR		
John L. Creigh		-	
Inventor's Signature			Date
City Residence: Rancho Santa Margarita	State California	Country	Citizenship
Mailing Address: 16215 Alton	Parkway Drive, Irvine	, CA 92618-7013	
NAME OF EIGHTH INVENT	OR		
Mehdi Hatamian			· · · · · · · · · · · · · · · · · · ·
Inventor's Signature			Date
City Residence: Mission Viejo	State California	Country	Citizenship
Mailing Address: 16215 Alton	Parkway Drive Irvine	CA 92618-7013	

Tom W. Kwan			
			Date
Inventor's Signature			<u> </u>
City	State	Country	Citizenship
Residence: Milpitas	California		

Oscar E. Agazzi	. /		
Inventor's Signature	cu E. Aga =		July 6, 200)
City	State	Country	Citizenship Argentina
Residence: Irvine	California		Argentina

John L. Creigh			
I to Cinnet			Date
Inventor's Signature City	State	Country	Citizenship
Residence: Rancho Santa	California	Country	Citizenship
Margarita	Ł		i

Mehdi Hatamian			
•			Date
nventor's Signature			
City	State	Country	Citizenship
Residence: Mission Viejo	California		_

NAME OF FIFTH INVENTOR	!		
Tom W. Kwan			
*			Date
Inventor's Signature	··		
City Residence: Milpitas	State California	Country	Citizenship
Mailing Address: 16215 Alton l	Parkway Drive, Irvine.	CA 92618-7013	
NAME OF SIXTH INVENTOR			
Oscar E. Agazzi			-
Oscar E. Agazzi			
Inventor's Signature			Date
City	State	Country	Citizenship
Residence: Irvine	California		Ollizenship
Mailing Address: 16915 Alter 1	Daulana D. t T		
Mailing Address: 16215 Alton l	arkway Drive, Irvine,	CA 92618-7013	
NAME OF SEVENTH INVEN	FOR		···
John L. Creigh	1 /	· · · · · · · · · · · · · · · · · · ·	
Inventor's Signature	f. Circh		Date
City	State	Country	Citizenship
Residence: Rancho Santa	California		USAFLE
Margarita			424.
Mailing Address: 16215 Alton I	Parkway Drive, Irvine,	CA 92618-7013	
NAME OF EIGHTH INVENTO	OR		
Mehdi Hatamian	•		•
		····	

Mehdi Hatamian			
Inventor's Signature			Date
City Residence: Mission Viejo	State California	Country	Citizenship

Docket No. 40716/PBH/B600

NAME OF FIFTH INVENTOR	R		·
Tom W. Kwan			
Inventor's Signature	••		Date
City Residence: Milpitas	State California	Country	Citizenship
Mailing Address: 16215 Alton	Parkway Drive, Irvine, CA 92	2618-7013	
NAME OF SIXTH INVENTOR	R	_ 	
Oscar E. Agazzi			•
Inventor's Signature			Date
City Residence: Irvine	State California	Country	Citizenship
Mailing Address: 16215 Alton	Parkway Drive, Irvine, CA 92	2618-7013	
NAME OF SEVENTH INVEN			
NAME OF SEVENTH INVEN John L. Creigh			Date
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa		Country	Date Citizenship
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa Margarita	TOR State California	Country	
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa Margarita	TOR State California	Country	
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa Margarita Mailing Address: 16215 Alton	TOR State California Parkway Drive, Irvine, CA 92	Country	
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa Margarita Mailing Address: 16215 Alton	TOR State California Parkway Drive, Irvine, CA 92	Country	
NAME OF SEVENTH INVEN John L. Creigh Inventor's Signature City Residence: Rancho Santa Margarita Mailing Address: 16215 Alton NAME OF EIGHTH INVENT	State California Parkway Drive, Irvine, CA 92 OR	Country	

Mailing Address: 16215 Alton Parkway Drive, Irvine, CA 92618-7013

Docket No. 40716/PBH/B600

NAME OF NINTH INVENTOR			
David E. Kruse			
Inventor's Signature	Dant &	Kusa	Date 7/9/2001
City Residence: 3981 AJ Bunnik	State	Country The Netherlands	Citizenship U.S.A.
Mailing Address: 16215 Alton P	arkway Drive, Irv	ine, CA 92618-7013	

Arthur Abnous			
Inventor's Signature			Date
City Residence: Irvine	State California	Country	Citizenship

Henry Samueli	·		•
Inventor's Signature			Date
City Residence: Corona del Mar	State California	Country	Citizenship

MC PAS334179.1 *-6/28/01 5:09 PM

Docket No. 40716/PBH/B600

NAME OF NINTH INVENTOR			
David E. Kruse			•
Inventor's Signature			Date
City Residence: 3981 AJ Bunnik	State	Country The Netherlands	Citizenship
Mailing Address: 16215 Alton Par	rkway Drive, Irvine, CA 99	2618-7013	
NAME OF TENTH INVENTOR			
Arthur Abnous	·· 0.		
Inventor's Signature	Hun		Date 7 - (- 5)
City Residence: Irvine	State California	Country	Citizenship
Mailing Address: 16215 Alton Par	kway Drive, Irvine, CA 95	2618-7013	
NAME OF ELEVENTH INVENT	OR		
Henry Samueli			
Inventor's Signature			Date
City Residence: Corona del Mar	State California	Country	Citizenship
Mailing Address: 16215 Alton Par	kway Drive, Irvine, CA 92	2618-7013	

MC PAS334179.1-*-6/28/01 5:09 PM

Docket No. 40716/PBH/B600

NAME OF NINTH INVENTOR			
David E. Kruse			·
Inventor's Signature	٠.		Date
City Residence: 3981 AJ Bunnik	State	Country The Netherlands	Citizenship
Mailing Address: 16215 Alton P	arkway Drive, Irvir	ne, CA 92618-7013	

Arthur Abnous			
nventor's Signature			Date
City Residence: Irvine	State California	Country	Citizenship

NAME OF ELEVENTH INVENTOR			
Henry Samueli			
Inventor's Signature Henry Home	Li	Date 7-4-5/	
City State Residence: Corona del Mar California	Country	Citizenship	
Mailing Address: 16215 Alton Parkway Drive, Irvine, CA 92618-7013			

MC PAS334179.1-*-6/28/01 5:09 PM